

PDR RID Report

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RID ID	PDR	79
Review	FOS	
Originator Ref	WDB-4FOSPD R	
Priority	2	

Section JSC

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Figure Table

Telemetry

Architecture

Category Name Interfaces

Actionee HAIS

Sub Category

Subject EDOS/FOS Interface

Description of Problem or Suggestion:

The interface with EDOS does not seem to match the EDOS concepts. The S-Band link EDUs were to be sent from the DIF to the EOS one EDU at a time using UDP Protocol which just discards packets which accumulate ground communications errors. The S-Band EDUs, along with all of the KU-Band EDUs, would also be accumulated in files at the DIF. The DIF would send those files of EDUs to the DPF using a guaranteed delivery protocol. At the DPF, the files of EDUs would be converted into production data sets. Each Production Data Set would be a file of packets, in time order, for a single APID with an attached quality/accounting record. The Production Data Sets would be sent to the DAACs for processing, distribution and archiving. The FOS expectation that all data would be received as EDUs would require, at least, that Instrument Engineering Telemetry be accumulated and stored someplace as EDUs.

Originator's Recommendation

ECS and EDOS should resolve the data flow discrepancies. In the meantime, the FOS design should not be so rigid that EDOS production data sets cannot be processed in FOS just like EDUs.

GSFC Response by:

GSFC Response Date

HAIS Response by: D. Herring

HAIS Schedule 1/13/95

HAIS R. E. D. Dunn

HAIS Response Date 1/18/95

Although the EOC receives all housekeeping (and health and safety) telemetry directly from the EDOS DIF, the author is correct in indicating our need for the ability to ingest not only EDUs but also packets in order to process instrument engineering data that may be received from the DAACs. This capability was omitted from our design and will be added and presented at the FOS CDR.

Status **Closed**

Date Closed **2/1/95**

Sponsor **Johns**

***** **Attachment if any** *****